



| PO No    | Supplier  | Line Item No | Ref No | Terms  | Purchased Item      | Description   | For Part No | Project | Equipment ID | Order Qty | Due Date  | Received Quantity | Accounting Job No | Container No | Status | Receive Date | Price/Unit    | Agir Day |
|----------|-----------|--------------|--------|--------|---------------------|---|-------------|---------|--------------|-----------|-----------|-------------------|-------------------|--------------|--------|--------------|---------------|----------|
| PO039598 | MES002-VC | 1            | 1      | Net 30 | M4130NS.250         | 4130 Sheet .250 : MATERIAL: AISI 4130N STEEL SHEET AS PER OR AS PER AMS 6345 MIL-S-18729 OR AMS 6350 OR AMS 6351 receive sf                         |             |         |              | 36        | 4/30/2018 | 36                |                   | S065590      | Stock  | 4/26/2018    | \$ 59.11 / sf |          |
|          |           | 2            |        |        | M4130NB0.500X03.000 | 4130 Bar 0.500 X 3.00 : MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528  |             |         |              | 47        |           | 47                |                   | S065591      | Stock  | 4/26/2018    | \$ 23.33 / ft |          |
|          |           | 3            |        |        | M304B0.250x0.500    | 304 Bar .250 X .500 : MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE AS PER ASTM A276 OR ASTM A240 NOTE: AISI 303 NOT ACCEPTABLE receive ft |             |         |              | 200       |           | 221               |                   | S065592      | Stock  | 4/26/2018    | \$ 4.25 / pcs |          |
|          |           |              |        |        |                     |   |             |         |              | Total:    | 283       | 304               |                   |              |        |              |               |          |

Plex 4/26/2018 12:41 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO039598

|                  |   |                                 |  |
|------------------|---|---------------------------------|--|
| <b>Supplier:</b> | MES002-VC<br>Metaux Solutions<br>2625 boul Jacques-Cartier Est<br>Longueuil<br>QC<br>J4N 1L7 Canada<br>Phone: 800 558 8858<br>Fax: 514 633 8044 | <b>PO No:</b>                   | PO039598                                       |
|                  |   | <b>PO Date:</b>                 | 4/13/18  |
|                  |   | <b>Due Date:</b>                | 4/19/18  |
|                  |   | <b>Purchase Order Revision:</b> |  |
|                  |   | <b>Revision Date:</b>           |  |
|                  |   | <b>Ship-To Contact:</b>         | Lavoie, Chantal<br>Phone: clavoie@dartaero.com |
| <b>Ship To:</b>  | 1270 Aberdeen Street<br>Hawkesbury<br>ON<br>K6A 1K7 Canada<br>Phone: 613-632-5200   | <b>Via:</b>                     | Ground   |
|                  |   | <b>Pymt Terms:</b>              | Net 30   |
|                  |   | <b>Freight Terms:</b>           |  |
|                  |   | <b>Special Comments:</b>        |  |

E-MAILED  
APR 13 2018

## Items

| Line Item | Part                | Supplier Part No | Description   | Status | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|---------------------|------------------|---|--------|----------|----------------|-------------------|---------|------------------|----------------|
| 1         | M4130NS.250         |                  | 4130 Sheet .250<br>: MATERIAL: AISI<br>4130N STEEL<br>SHEET AS PER OR<br>AS PER AMS 6345<br>MIL-S-18729 OR<br>AMS 6350 OR AMS<br>6351<br>receive sf | Firmed | 4/30/18  | 36 sf          | 0 sf              | 36 sf   | \$59.109722/sf   | \$2,127.95     |
| 2         | M4130NB0.500X03.000 |                  | 4130 Bar 0.500 X<br>3.00<br>: MATERIAL: AISI<br>4130N STEEL BAR<br>PER MIL-S-6758 OR<br>AMS<br>6345/6348/6370/6528                                  | Firmed | 4/19/18  | 47 ft          | 0 ft              | 47 ft   | \$23.33/ft       | \$1,096.51     |

**Line Item Note** 40 pcs cut to 14"

|   |                  |  |  |        |         |         |       |         |             |             |
|---|------------------|--|--|--------|---------|---------|-------|---------|-------------|-------------|
| 3 | M304B0.250x0.500 |  | 304 Bar .250 X .500<br>: MATERIAL: AISI<br>304/316 SS BAR OR<br>AISI 304/316 SS<br>PLATE AS PER<br>ASTM A276 OR<br>ASTM A240 NOTE:<br>AISI 303 NOT<br>ACCEPTABLE<br>receive ft | Firmed | 4/19/18 | 200 pcs | 0 pcs | 200 pcs | \$4.25/pcs  | \$850.00    |
|   |                  |  |  |        |         |         |       |         | APR 26 2018 | DAS 11 9-89 |

Grand Total: \$4,074.46

## Order Notes

U CL

**Order Notes**

- ✓ Procurement Quality Clauses
- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 dart notification by supplier
- A043 retention of quality documents
  
- A048 counterfeit parts avoidance, detection, mitigation and disposition program
  
- A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 4/13/18 11:25 AM *dart.lavoie.chantal*

## Shipping Order

25/04/2018

METAUX SOLUTIONS INC  
2625 BOUL JACQUES CARTIER EST  
LONGUEUIL, QUEBEC  
J4N 1L7 *Tel. : 450 641-3330*

*Order* : 134373  
*Reference* : 39598  
*Ship* : PICK UP / PICK UP

*Customer:* 6323336

*Ship To*

DART AEROSPACE LTD  
1270, ABERDEEN STREET  
HAWKESBURY, ONTARIO  
K6A 1K7

Same

*Tel.:* 1 613 632-3336

| Item No.  | Description   | Qty   | Qty. Delivered | B/O Qty |
|-----------|---|-------|----------------|---------|
| MP144130  | ***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR<br>LE PACKING SLIP INSCRIRE LES HEAT N<br>4130n PLATE .250"<br>1 x 36" x 144" *****<br>ht;d2507 | 1     | 1              | Ø       |
| MP124130N | 4130 NORM PLATE .500 THICK AMS 6345<br>40 x 3" x 14"<br>ht; 1961550   | 11.64 | 11.64          | Ø       |
| GP14124HR | 304 STAIN FLA .25" X .500" HR<br>17 X 13'<br>nt;67738106  | 221   | 221            | Ø       |

ship journey collect

jp

625

~~Sant~~ (2)  
25-04-18

*Shipping* :

Ref. : \_\_\_\_\_

Package No. : \_\_\_\_\_

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***Merchandise Received:***

## Shipping Order

25/04/2018

METAUX SOLUTIONS INC  
 2625 BOUL JACQUES CARTIER EST  
 LONGUEUIL, QUEBEC  
 J4N 1L7      Tel.: 450 641-3330

Order : 134373  
 Reference : 39598  
 Ship : PICK UP / PICK UP

Customer: 6323336

DART AEROSPACE LTD  
 1270, ABERDEEN STREET  
 HAWKESBURY, ONTARIO  
 K6A 1K7

## Ship To

Same

Tel.: 1 613 632-3336

| Item No.  | Description   | Qty   | Qty. Deliver | B/O Qty |
|-----------|---|-------|--------------|---------|
| MP144130  | ***** FACTURER E-MAIL ***** SUPER IMPORTANT SUR<br>LE PACKING SLIP INSCRIRE LES HEAT N<br>4130n PLATE .250"<br>1 x 36" x 144" *****<br>ht;d2507 | 1     | 1            | Ø       |
| MP124130N | 4130 NORM PLATE .500 THICK AMS 6345<br>40 x 3" x 14"<br>ht;1961550  | 11.64 | 11.64        | Ø       |
| SF14124HR | 304 STAIN FLA .25" X .500" HR<br>17 X 13'<br>ht;67738106  | 221   | 221          | Ø       |

ship journey collect  
jp

219  
✓ 854 LBS



M1530580  
RTAL - Rosedale Transport Limited

625

25-04-18

Ref. :

Shipping : \_\_\_\_\_  
 Package No. : \_\_\_\_\_  
 Merchandise Received : \_\_\_\_\_

**NUCOR STEEL**  
4537 S. NUCOR ROAD; CRAWFORDSVILLE, IN 47933

**REPORT OF TESTS**

|                                 |   |
|---------------------------------|---|
| ATTN:                           | DATE: 1/20/15   |
| FAX:                            |   |
| SOLD TO:                        | JSTOMER ORDER # 081414MC  |
| SIZE: 0.500" by 36" steel sheet | PRODUCT: HRPO light oil FINE GRAIN<br>AIRCRAFT QUALITY 4130 AMS 6345 Rev C<br>ASTM-A 506 ASTM-A-635 AMS 2301 Rev J<br>[successor to MIL-S-18729 COND N.]<br>NORMALIZED OR OTHERWISE HEAT<br>TREATED |

*AMS 6345*

| COIL #  | HEAT #    | YIELD    | TENSILE | ELONG |
|---------|-----------|----------|---------|-------|
| 1961550 | 248571-06 | 81.5 ksi | 115 ksi | 20%   |

| TEST                              | RESULT |      |
|-----------------------------------|--------|------|
| *Average austenite grain size     | #8     | Pass |
| Decarburization (P/F)             |        | Pass |
| *Bend Test (P/F)                  |        | Pass |
| *Response to Heat Treatment (P/F) | 45 HRC | Pass |
| *AMS 2301 Quality Freq/Sev (P/F)  | 0/0    | Pass |

\*These tests performed by outside lab, ISO 17025 certified.

| HEAT # | C     | Mn   | P     | S     | Al    | Si    | N     | Cr    | Ni    | Cu    | Mo    |
|--------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 248571 | 0.287 | 0.55 | 0.006 | 0.000 | 0.028 | 0.208 | 0.007 | 0.860 | 0.017 | 0.043 | 0.165 |

WE HEREBY CERTIFY THE ABOVE  
IS CORRECT AS CONTAINED IN  
THE RECORDS OF THE CORPORATION.

Melted and Manufactured in the USA

QF-0200, 10/17/05

*J. W. Ray*  
Cold Mill Metallurgist

|  |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|--|---|---|---|---|--|---|---|---|--|---|---------------------------------------|---|------------------|---|----------|-------|----|--------|----|-------|---------|-------|-------|-------|-------|-----|-------|---|-------|----|-------|----|------|------|------|
|  <p>Bollinghaus Steel, SA<br/>DIN EN ISO 9001:2008<br/>TÜV CERT No. 01 100 030458</p>   |   | <p>Abnahmeprüfungsergebnis/Mill Test Certificate/Certificado de Qualidade<br/>EN 10204:2004 / 3.1</p> <p>Unsere Innere Verweisung / Our Int. Ref. / ref int<br/>5800038278 000010</p> |   | <p>No. / Nr. / Nr.;<br/>000136628<br/>Datum / Date / Data<br/>19.12.2017</p>              |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Spesifikation / Standards / Normas</b><br/>TYPE 304/UNS S30400 and TYPE 304L/UNS S30103 acc. to ASTM A276/A276M-16b, ASTM A182/A182M-16b, ASTM A183/A183M-16, ASTM A479/A479M-16a, ASTM A320/A320M-15a, ASTM A314-15, ASTM A262-15 Prac. E, AMS QQ-S-763D, AMS 6630J, AMS 5847K, ASME SA479/SA479M, ASME SA276, ASME SA182/182M, ASME SA 193/SA193M, ASME SA320/SA320M, NACE MR0175-2015, execution as per ASTM A484/A484M-16.</p>   |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Kunde / Customer / Cliente</b></p>   |   |   | <p><b>Endgültiger Kunde / Final Customer / Cliente Final</b></p>  |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p>Bestell-Nr./Order Nr./Enc.Nr. c110766</p>   |   |   | <p>Bestell-Nr./Order Nr./Enc.Nr. c110766.1</p>  |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Produktgruppe / Product Group / Grupo Produto</b><br/>AISI 304/L FLAT 1/4 X 1/2"</p>   |   |   | <p><b>Gewicht / Weight / Peso</b><br/>1.059 lb</p>  |   | <p><b>Bunde / Bundle / Atados</b><br/>01</p> |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p>Werkstoff-Nr.<br/>Material-no.<br/>Qualidade<br/>1.4307</p>   |   |   | <p><b>Werkstoff-Normbezeichnung / Material standard grade / Norma do material</b><br/>X 2 CrNi 18-9</p> |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Beschreibung / Description / Descrição</b><br/>Stainless steel flat bars, hot rolled, heat treated, straightened and pickled<br/>US DFAR 252.225-7009. MELT SOURCE: France / MFG: Portugal.</p>  |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Chemische Analyse in % / Chemical composition in % / Análise química em %</b></p> <table border="1"> <tr> <td>67738108</td> <td>C</td> <td>0.018</td> <td>Si</td> <td>0.525</td> <td>Mn</td> <td>1.164</td> <td>P</td> <td>0.029</td> <td>S</td> <td>0.025</td> <td>Cr</td> <td>18.127</td> <td>Ni</td> <td>8.045</td> </tr> <tr> <td>EAF+AOD</td> <td>Mo</td> <td>0.370</td> <td>Co</td> <td>0.117</td> <td>Cu</td> <td>0.406</td> <td>N</td> <td>0.080</td> <td>Ti</td> <td>0.002</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>  |   |   |   |   |  | 67738108  | C   | 0.018   | Si   | 0.525   | Mn                                    | 1.164   | P                | 0.029   | S        | 0.025 | Cr | 18.127 | Ni | 8.045 | EAF+AOD | Mo    | 0.370 | Co    | 0.117 | Cu  | 0.406 | N | 0.080 | Ti | 0.002 | -  | -    | -    | -    |
| 67738108   | C   | 0.018   | Si  | 0.525   | Mn   | 1.164   | P   | 0.029   | S  | 0.025   | Cr                                    | 18.127  | Ni               | 8.045   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| EAF+AOD  | Mo  | 0.370   | Co  | 0.117   | Cu   | 0.406   | N   | 0.080   | Ti   | 0.002   | -                                     | -   | -                | -   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>ASTM E390</b></p> <table border="1"> <tr> <td rowspan="2">Proben-Nr.<br/>Test no.<br/>Amostra no.<br/>4036951.01.01</td> <td>Keibschlagarbeit<br/>Impact Test<br/>Resiliencia</td> <td>Streckgrenze<br/>Yield point<br/>Tensão limite</td> <td>Dehngrenze<br/>1% point<br/>Límite de extensão</td> <td>Zugfestigkeit<br/>Tensile strength<br/>Tensão de estrada</td> <td>Dehnung<br/>Elongation<br/>Aelongamento</td> <td>Beschleunigung<br/>Reduction of area<br/>Cool. Estricção</td> </tr> <tr> <td>{Charpy V}</td> <td>Rp 0,2 %</td> <td>Rp 1,0 %</td> <td>Rm</td> <td>A5</td> <td>40</td> <td>Z</td> </tr> <tr> <td></td> <td>[J]</td> <td>[Ksi]</td> <td>[Ksi]</td> <td>[Ksi]</td> <td>[%]</td> <td>[%]</td> <td>[%]</td> </tr> <tr> <td></td> <td>-</td> <td>48</td> <td>57</td> <td>93</td> <td>53.9</td> <td>56.4</td> <td>70.1</td> </tr> </table> |   |   |   |   |  | Proben-Nr.<br>Test no.<br>Amostra no.<br>4036951.01.01                                      | Keibschlagarbeit<br>Impact Test<br>Resiliencia          | Streckgrenze<br>Yield point<br>Tensão limite  | Dehngrenze<br>1% point<br>Límite de extensão | Zugfestigkeit<br>Tensile strength<br>Tensão de estrada                                    | Dehnung<br>Elongation<br>Aelongamento | Beschleunigung<br>Reduction of area<br>Cool. Estricção                                    | {Charpy V}       | Rp 0,2 %  | Rp 1,0 % | Rm    | A5 | 40     | Z  |       | [J]     | [Ksi] | [Ksi] | [Ksi] | [%]   | [%] | [%]   |   | -     | 48 | 57    | 93 | 53.9 | 56.4 | 70.1 |
| Proben-Nr.<br>Test no.<br>Amostra no.<br>4036951.01.01   | Keibschlagarbeit<br>Impact Test<br>Resiliencia          | Streckgrenze<br>Yield point<br>Tensão limite  | Dehngrenze<br>1% point<br>Límite de extensão  | Zugfestigkeit<br>Tensile strength<br>Tensão de estrada                                    | Dehnung<br>Elongation<br>Aelongamento        |   | Beschleunigung<br>Reduction of area<br>Cool. Estricção  |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  | {Charpy V}  | Rp 0,2 %  | Rp 1,0 %  | Rm  | A5   | 40  | Z   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  | [J]   | [Ksi]   | [Ksi]   | [Ksi]   | [%]  | [%]   | [%]   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  | -   | 48  | 57  | 93  | 53.9   | 56.4  | 70.1  |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>ASTM A370</b></p> <table border="1"> <tr> <td rowspan="2">Wärmebehandlung<br/>Heat treatment<br/>Tratamento térmico</td> <td rowspan="2">Wärmebehandlung<br/>Heat treatment<br/>Tratamento térmico</td> <td rowspan="2">Abnahmeverantwortlicher<br/>Authorized inspection representative<br/>Inspector da Qualidade</td> <td colspan="4">Annealed Quenched 1900 °F (1050 °C)</td> </tr> <tr> <td colspan="4">(water quenched)</td> </tr> </table>  |   |   |   |   |  | Wärmebehandlung<br>Heat treatment<br>Tratamento térmico                                     | Wärmebehandlung<br>Heat treatment<br>Tratamento térmico | Abnahmeverantwortlicher<br>Authorized inspection representative<br>Inspector da Qualidade | Annealed Quenched 1900 °F (1050 °C)          |   |                                       |   | (water quenched) |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| Wärmebehandlung<br>Heat treatment<br>Tratamento térmico  | Wärmebehandlung<br>Heat treatment<br>Tratamento térmico | Abnahmeverantwortlicher<br>Authorized inspection representative<br>Inspector da Qualidade   | Annealed Quenched 1900 °F (1050 °C)   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  |   |   | (water quenched)  |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>ASTM E10</b></p> <table border="1"> <tr> <td rowspan="2">Visuelle Kontrolle<br/>Visual inspection<br/>Inspeção visual</td> <td rowspan="2">Härte<br/>Hardness<br/>Dureza</td> <td rowspan="2">195</td> <td rowspan="2">[HB]</td> <td colspan="2">ASTM A282 Practice E</td> </tr> <tr> <td>Korrosionsbeständigkeit<br/>IC Test</td> <td>OK</td> </tr> </table>  |   |   |   |   |  | Visuelle Kontrolle<br>Visual inspection<br>Inspeção visual                                  | Härte<br>Hardness<br>Dureza                             | 195   | [HB]   | ASTM A282 Practice E  |                                       | Korrosionsbeständigkeit<br>IC Test  | OK               |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| Visuelle Kontrolle<br>Visual inspection<br>Inspeção visual   | Härte<br>Hardness<br>Dureza                             | 195   | [HB]  | ASTM A282 Practice E  |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  |   |   |   | Korrosionsbeständigkeit<br>IC Test  | OK   |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>ASTM A484</b></p> <table border="1"> <tr> <td rowspan="2">Maßkontrolle<br/>Dimensional inspection<br/>Inspeção dimensional</td> <td rowspan="2">ASTM E112</td> <td rowspan="2">Korngröße<br/>Grain size</td> <td rowspan="2">9</td> <td colspan="2">Abnahmeverantwortlicher<br/>Authorized inspection representative<br/>Inspector da Qualidade</td> </tr> <tr> <td>Abnahmeverantwortlicher<br/>Authorized inspection representative<br/>Inspector da Qualidade</td> <td>OK</td> </tr> </table>  |   |   |   |   |  | Maßkontrolle<br>Dimensional inspection<br>Inspeção dimensional                              | ASTM E112   | Korngröße<br>Grain size   | 9  | Abnahmeverantwortlicher<br>Authorized inspection representative<br>Inspector da Qualidade |                                       | Abnahmeverantwortlicher<br>Authorized inspection representative<br>Inspector da Qualidade | OK               |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| Maßkontrolle<br>Dimensional inspection<br>Inspeção dimensional   | ASTM E112   | Korngröße<br>Grain size   | 9   | Abnahmeverantwortlicher<br>Authorized inspection representative<br>Inspector da Qualidade |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  |   |   |   | Abnahmeverantwortlicher<br>Authorized inspection representative<br>Inspector da Qualidade | OK   |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Verwechslungsprüfung<br/>Test of identity<br/>Teste de identificação</b></p> <table border="1"> <tr> <td rowspan="2">Ok</td> <td rowspan="2">Metalllographische Untersuchung<br/>Macrographic test</td> <td rowspan="2">Vasco Ferraria (Ω + VF)</td> <td rowspan="2">Bollinghaus Steel, SA</td> <td colspan="2">Hiermit bestätigen wir, dass das Material der oben genannten<br/>Spezifikation entspricht.</td> </tr> <tr> <td>Metalllographische Untersuchung<br/>Macrographic test</td> <td>Ok</td> <td colspan="2">We confirm that this material meets the specification according<br/>the mentioned standards.</td> </tr> </table>   |   |   |   |   |  | Ok  | Metalllographische Untersuchung<br>Macrographic test    | Vasco Ferraria (Ω + VF)   | Bollinghaus Steel, SA                        | Hiermit bestätigen wir, dass das Material der oben genannten<br>Spezifikation entspricht. |                                       | Metalllographische Untersuchung<br>Macrographic test                                      | Ok               | We confirm that this material meets the specification according<br>the mentioned standards. |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| Ok   | Metalllographische Untersuchung<br>Macrographic test    | Vasco Ferraria (Ω + VF)   | Bollinghaus Steel, SA   | Hiermit bestätigen wir, dass das Material der oben genannten<br>Spezifikation entspricht. |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
|  |   |   |   | Metalllographische Untersuchung<br>Macrographic test                                      | Ok   | We confirm that this material meets the specification according<br>the mentioned standards. |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p><b>Bemerkungen / Remarks / Observações</b><br/>Country of origin: Portugal. No weld repair done.<br/>Material is free of mercury and radiation contamination.</p>   |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p>Hiermit bestätigen wir, dass das Material der oben genannten<br/>Spezifikation entspricht.</p>  |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p>We confirm that this material meets the specification according<br/>the mentioned standards.</p>  |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |
| <p>Confirmamos que este material respeita as especificações<br/>do acordo com as normas referidas.</p>   |   |   |   |   |  |   |   |   |  |   |                                       |   |                  |   |          |       |    |        |    |       |         |       |       |       |       |     |       |   |       |    |       |    |      |      |      |

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130NB0300X03.000  
 DATE: APR 26 2018

PO / BATCH NO.: 039598/5065591

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 46.6 (47)  
 QUANTITY INSPECTED: 46.6 (47)  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500  
 THICKNESS RECEIVED: .500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

| DESCRIPTION  | NCR<br>(Check<br>Y/N) | COMMENTS                |
|--|-----------------------|-------------------------|
| SURFACE DAMAGE                                     | Y <u>N</u>            |                         |
| CORRECT FINISH                                     | Y <u>N</u>            |                         |
| CORROSION  | Y <u>N</u>            |                         |
| CORRECT GRAIN DIRECTION                            | Y <u>N</u>            |                         |
| CORRECT MATERIAL PER M-DRAWING                     | Y <u>N</u>            | AMS 6345                |
| CORRECT THICKNESS                                  | Y <u>N</u>            |                         |
| PHOTO REQUIRED                                     | Y <u>N</u>            |                         |
| CORRECT REF # TO LINK CERT                         | Y <u>N</u>            | Heat # 1961550 (soil #) |
| CORRECT MATERIAL IDENTIFICATION                    | Y <u>N</u>            |                         |
| CORRECT M# ON THE MATERIAL                         | Y <u>N</u>            |                         |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | Y <u>N</u>            |                         |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | Y <u>N</u>            |                         |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |         |
|--|-----|-----|-------|-------|---------|
| TYPE OF MATERIAL<br>SIZE OF TEST SAMPLE<br>HARDNESS / DUROMETER READING            | HRC | HRB | DUR A | DUR D | WEBSTER |
|  |     |     |       |       |         |
|  |     |     |       |       |         |

testers located in the Quality Office

| QC 18 INSPECTION  | ENGINEERING SIGNOFF (if required)   |
|---|-------------------------------------|
| INSPECTED BY: <u>DAS</u><br>DATE: <u>11</u> APR 26 2018 | SIGNED OFF BY: _____<br>DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



PURCHASE MATERIAL: AISI 4130N STEEL BAR PER MIL-S-6758 OR AMS 6345/6348/6370/6528

PART NUMBER: M4130N-B | T.TTT | X | WW.WWW | WHERE T.TTT = THICKNESS (IN INCHES)  
THICK | WIDTH | WW.WWW = WIDTH (IN INCHES)

EG. 0.5" X 3.0" BAR = M4130N-B0.500X03.000

RELEASED  
08.07.09 MP

|            |              |   |              |    |          |
|------------|--------------|---|--------------|----|----------|
| B          | ADD AMS 6345 |   |              | PH | 08.05.05 |
| A          | NEW ISSUE    |   |              | DS | 01.06.08 |
| REV.       | DESCRIPTION  |   |              | BY | DATE     |
| DESIGN     | <i>AS</i>    | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA  |              |    |          |
| DRAWN      | <i>AS</i>    |   |              |    |          |
| CHECKED    | <i>IP</i>    | DRAWING NO.   | REV. B       |    |          |
| MFG. APPR. | <i>N/A</i>   | M4130N-B  | SHEET 1 OF 1 |    |          |
| APPROVED   | <i>MP</i>    | TITLE   | SCALE        |    |          |
| DE APPR.   | <i>AS</i>    | 4130 BAR  | NTS          |    |          |
| DATE       | 08.05.05     | COPYRIGHT © 2001 BY DART AEROSPACE LTD<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE LTD |              |    |          |

# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B0.250X0.500  
 DATE: APR 26 2018

PO / BATCH NO.: 039598/8065592

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 121  
 QUANTITY INSPECTED: 121  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .250  
 THICKNESS RECEIVED: .250  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

| DESCRIPTION  | NCR<br>(Check<br>Y/N)                                      | COMMENTS               |
|--|--|------------------------|
| SURFACE DAMAGE                                     | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| CORRECT FINISH                                     | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| CORROSION  | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| CORRECT GRAIN DIRECTION                            | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| CORRECT MATERIAL PER M-DRAWING                     | <input checked="" type="radio"/> Y <input type="radio"/> N | <i>Astan A276</i>      |
| CORRECT THICKNESS                                  | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| PHOTO REQUIRED                                     | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| CORRECT REF # TO LINK CERT                         | <input checked="" type="radio"/> Y <input type="radio"/> N | <i>Heat # 67738106</i> |
| CORRECT MATERIAL IDENTIFICATION                    | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| CORRECT M# ON THE MATERIAL                         | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | <input checked="" type="radio"/> Y <input type="radio"/> N |                        |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |         |
|--|-----|-----|-------|-------|---------|
| TYPE OF MATERIAL<br>SIZE OF TEST SAMPLE<br>HARDNESS / DUROMETER READING            | HRC | HRB | DUR A | DUR D | WEBSTER |
|  |     |     |       |       |         |
|  |     |     |       |       |         |
|  |     |     |       |       |         |

*testers located in the Quality Office*

| QC 18 INSPECTION                      | ENGINEERING SIGNOFF (if required) |
|---------------------------------------|-----------------------------------|
| INSPECTED BY: <u>DAS</u><br><u>11</u> | SIGNED OFF BY: _____              |
| DATE: <u>9-89 APR 26 2018</u>         | DATE: _____                       |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

8 7 6 5 4 3 2 1

## SPECIFICATION CONTROL DRAWING

 PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE  
(NOTE: AISI 303 NOT ACCEPTABLE)

 SPECIFICATION: **ASTM A276 OR ASTM A240**

PART NUMBER: **M304B|T.TTT|X|WW.WWW|  
THICK| WIDTH**

WHERE "T.TTT" = THICKNESS IN INCHES  
AND "WW.WWW" = WIDTH IN INCHES

 EG. 0.5" x 3.0" BAR = M304B0.500X03.000  
EG. 0.5" X 12.0" PLATE = M304B0.500X12.000

RELEASED  
11 2010-11-30  
JM

|            |  |    |  |
|------------|--|----|--|
| C          | ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE RELATED SPECIFICATIONS, AND EG.; CHANGED TITLE FROM "304/316 BAR" TO "304/316 BAR/PLATE"         | MB | 10.11.25   |
| B          | REFORMAT DWG, ADD SPECS (ZN D6-1),<br>REF PAR 08-020A  | CP | 09.07.15   |
| A          | NEW ISSUE  | PH | 05.06.10   |
| REV.       | DESCRIPTION  | BY | DATE   |
| DESIGN     |  <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |    |  |
| DRAWN      |   |    |  |
| CHECKED    |   |    | DRAWING NO. <b>M304B</b> REV. C  |
| MFG. APPR. |   |    | SHEET 1 OF 1   |
| APPROVED   |   |    | TITLE <b>304/316 BAR/PLATE</b> NTS   |
| DATE       | <b>10.11.25</b>  |    | <small>COPYRIGHT © 2005 BY DART AEROSPACE LTD<br/>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br/>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br/>WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small> |

8 7 6 5 4 3 2 1

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M413015-250  
 DATE: APR 26 2018

PO / BATCH NO: 039598/5065590

MATERIAL CERT REC'D: Yes  
 QUANTITY RECEIVED: 36 ft<sup>2</sup>  
 QUANTITY INSPECTED: 36 ft<sup>2</sup>  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .250  
 THICKNESS RECEIVED: .250 .270  
 SHEET SIZE ORDERED: 3X12  
 SHEET SIZE RECEIVED: 3X12

| DESCRIPTION  | NCR<br>(Check<br>Y/N) | COMMENTS                              |
|--|-----------------------|---------------------------------------|
| SURFACE DAMAGE                                     | <u>Y</u> <u>N</u>     |                                       |
| CORRECT FINISH                                     | <u>Y</u> <u>N</u>     |                                       |
| CORROSION  | <u>Y</u> <u>N</u>     |                                       |
| CORRECT GRAIN DIRECTION                            | <u>Y</u> <u>N</u>     |                                       |
| CORRECT MATERIAL PER M-DRAWING                     | <u>Y</u> <u>N</u>     | <u>AMS 6345 ** need eng sign off.</u> |
| CORRECT THICKNESS                                  | <u>Y</u> <u>N</u>     |                                       |
| PHOTO REQUIRED                                     | <u>Y</u> <u>N</u>     |                                       |
| CORRECT REF # TO LINK CERT                         | <u>Y</u> <u>N</u>     | <u>Heat # d2507</u>                   |
| CORRECT MATERIAL IDENTIFICATION                    | <u>Y</u> <u>N</u>     |                                       |
| CORRECT M# ON THE MATERIAL                         | <u>Y</u> <u>N</u>     |                                       |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | <u>Y</u> <u>N</u>     |                                       |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | <u>Y</u> <u>N</u>     |                                       |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |
|--|-----|-----|-------|-------|
| TYPE OF MATERIAL<br>SIZE OF TEST SAMPLE<br>HARDNESS / DUROMETER READING            | HRC | HRB | DUR A | DUR D |
|  |     |     |       |       |
|  |     |     |       |       |

*testers located in the Quality Office*

| QC 18 INSPECTION                      |  | ENGINEERING SIGNOFF (if required) |  |
|---------------------------------------|--|-----------------------------------|--|
| INSPECTED BY: <u>DAS</u><br><u>11</u> |  | SIGNED OFF BY: <u>GPW</u>         |  |
| DATE: <u>9-89</u> APR 26 2018         |  | DATE: <u>14/5/2</u>               |  |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

*AMS 6345  
is acceptable.  
Stock for  
use on  
non-firwarethy  
products only.*



|                          |                                  |   |                     |                            |
|--------------------------|----------------------------------|---|---------------------|----------------------------|
| DESIGN<br><b>BRADLEY</b> | DRAWN BY<br><b>BRADLEY</b>       | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |                     |                            |
| CHECKED<br><i>CH</i>     | APPROVED<br><i>CH</i>            | DRAWING NO.<br><b>M4130N-S</b>                    | REV.<br><b>A</b>    | SHEET <b>1</b> OF <b>1</b> |
| DATE<br><b>01.05.17</b>  | TITLE<br><b>4130 SHEET SPEC.</b> |   | SCALE<br><b>1/1</b> |                            |

PURCHASE - AISI 4130 N STEEL SHEET  
PER ONE THE FOLLOWING  
SPEC'S: MIL-S-18729, AMS6350  
OR AMS6351

RELEASED  
01.05.18 \*

01.05.18 \*

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## Inventory

| Operation Number                                   | Operation  | Container No | Job | Master Unit Number | Quantity | Weight | Serial No/Batch | Location | Container | Status     | Added     | Special Comments                | Label | Supplier | Change No | Inventory Type |
|--|------------|--------------|-----|--------------------|----------|--------|-----------------|----------|-----------|------------|-----------|---------------------------------|-------|----------|-----------|----------------|
| Part Number: M4130NS.250 Revision: 4130 Sheet .250 |            |              |     |                    |          |        |                 |          |           |            |           |                                 |       |          |           |                |
| 100  | Receive sf | S040273      |     |                    | 0 sf     | 0      | s040273         | MAT      |           | Stock      | 2/7/2018  | *                               |       |          |           |                |
|  |            | S065590      |     |                    | 36 sf    | 0      | S065590         | MAT      |           | Quarantine | 4/26/2018 | to be use for Dart Tooling only |       |          |           |                |
| <b>Operation Totals:</b>                           |            | 2            |     |                    | 36       | 0      |                 |          |           |            |           |                                 |       |          |           |                |
| <b>Part Totals:</b>                                |            | 2            |     |                    | 36       | 0      |                 |          |           |            |           |                                 |       |          |           |                |
| <b>Totals:</b>                                     |            | 2            |     |                    | 36       | 0      |                 |          |           |            |           |                                 |       |          |           |                |

Plex 5/2/2018 10:34 AM Dart.Duval.Patrick

# CERTIFICATE OF TEST CERTIFICAT D'ESAISS

Page 01 of 02

Certification Date  
24-APR-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

44580-J

PART NUMBER/NUMÉRO DE PIÈCE

508731

Invoice Number  
T378712

SOLD TO: METAUX SOLUTIONS INC. SHIP TO: METAUX SOLUTIONS (RIVE-SUD)  
VENDU À: EXPÉDIÉ À:  
2625 BOUL JACQUES CARTIER EST 2625 BOUL JACQUES CARTIER EST  
LONGUEUIL QC J4N 1L7 LONGUEUIL QC J4N 1

Description: 4130 HR DESCALDED AQ PLATE AMS 6345 COND N OR  
1/4 P/C 36.000" X 144.000" RECTANGLE Line Total: 367.56 LB  
HEAT: D2507 ITEM: 508731

Specifications:  
AMS 6345 D AISI 4130 97 ASTM A829 14  
ISO 14001 04

## CHEMICAL ANALYSIS

| C    | MN    | P     | S     | CU   | SI   | NI   | CR   |
|------|-------|-------|-------|------|------|------|------|
| 0.32 | 0.54  | 0.007 | 0.001 | 0.18 | 0.25 | 0.15 | 0.89 |
| MO   | V     | AL    | CB    |      |      |      |      |
| 0.20 | 0.003 | 0.03  | 0.001 |      |      |      |      |

RCPT: R446254

COUNTRY OF ORIGIN : USA

## MECHANICAL PROPERTIES

| DESCRIPTION | YLD STR<br>PSI | ULT STR<br>PSI | %ELONG<br>IN 02 IN | %RED<br>IN AREA | HARDNESS |
|-------------|----------------|----------------|--------------------|-----------------|----------|
|             | 81000.0        | 116000.0       | 21.0               |                 |          |

GRAIN SIZE : 5

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport tre les spécifications décrites ci-haut.

Ilful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST CERTIFICAT D'ESAIIS

Page 02 of 02

Certification Date  
24-APR-2018

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

44580-J

PART NUMBER/NUMÉRO DE PIÈCE

508731

Invoice Number  
T378712

|                 |   |                   |   |
|-----------------|---|-------------------|---|
| <b>SOLD TO:</b> | METAUX SOLUTIONS INC.                                 | <b>SHIP TO:</b>   | METAUX SOLUTIONS (RIVE-SUD)                         |
| <b>VENDU À:</b> |   | <b>EXPÉDIÉ À:</b> |   |
|                 | 2625 BOUL JACQUES CARTIER EST<br>LONGUEUIL QC J4N 1L7 |                   | 2625 BOUL JACQUES CARTIER EST<br>LONGUEUIL QC J4N 1 |

Description: 4130 HR DESCALCED AQ PLATE AMS 6345 COND N OR  
1/4 P/C 36.000" X 144.000" RECTANGLE Line Total: 367.56 LB  
HEAT: D2507 ITEM: 508731

VACUUM DEGASSED MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL  
DECARB: OK  
AMS NO :2301  
SEVERITY :0.0  
FREQUENCY:0.0

COMMENTS

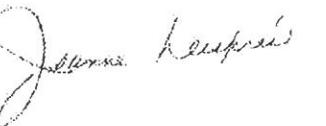
reduction ratio 36  
melted and mfg in usa

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. We hereby certify that the material covered by this report will meet the applicable requirements described herein, including any specification forming a part of the description. /Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ